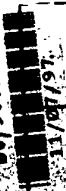


3914 U.S. PTO
88/966233



Class
Subclass

ISSUE CLASSIFICATION

SCANNED

| | | |
|-----------------------------|-------------------------|-------------------|
| UTILITY SERIAL NUMBER | PATENT DATE | PATENT NUMBER |
| SERIAL NUMBER 08/966,233 | FILING DATE 11/07/97 | CLASS 435 |
| SUBCLASS | GROUP ART UNIT 163 | EXAMINER Allen |

APPLICANTS SE-JIN LEE, BALTIMORE, MD.

CONTINUING DATA***
 VERIFIED THIS APPLN IS A CON OF 08/583,491 01/05/96 (8W)
 WHICH IS A CON OF 08/316,456 10/03/94
 WHICH IS A CON OF 08/090,002 07/12/93
 WHICH IS A CON OF 07/614,452 11/16/90
 WHICH IS A CIP OF 07/538,372 06/15/90 ABN

FOREIGN/PCT APPLICATIONS***
 VERIFIED

NONE MPA

CPA
11-19-01

FOREIGN FILING LICENSE GRANTED 12/16/97

***** SMALL ENTITY *****

| | | | | | | | | |
|---|---|----------|------------------------|---------------------|--------------------|--------------------|---------------------------------|---------------------------------|
| Foreign priority claimed 35 USC 119 conditions met | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | AS FILED | STATE OR COUNTRY MD | SHEETS DRWGS. 19 | TOTAL CLAIMS 15 | INDEP. CLAIMS 3 | FILING FEE RECEIVED \$395.00 | ATTORNEY'S DOCKET NO. 241800 |
|---|---|----------|------------------------|---------------------|--------------------|--------------------|---------------------------------|---------------------------------|

Verified and Acknowledged
 EXAMINER'S INITIALS
 CUSHMAN DABBY AND CUSHMAN
 INTL PROPERTY GROUP OF PILLSBURY MADISON
 AND SUTRO NINTH FLOOR EAST TOWER
 1100 NEW YORK AVENUE NW
 WASHINGTON DC 20005-3918

GDF-1 Gene

TITLE
#42

U.S. DEPT. OF COMM./ PAT. & TM—PTO-436L (Rev.12-94)

| | | | |
|--|-----------|-----------------------|-------------|
| PARTS OF APPLICATION FILED SEPARATELY | | Applications Examiner | |
| NOTICE OF ALLOWANCE MAILED | | CLAIMS ALLOWED | |
| | | Total Claims | Print Claim |
| Assistant Examiner | | DRAWING | |
| ISSUE FEE | | Sheets Drwg. | Figs. Drwg. |
| Amount Due | Date Paid | Print Fig. | |
| Label Area | | ISSUE BATCH NUMBER | |
| Primary Examiner | | PREPARED FOR ISSUE | |
| <p>WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.</p> | | | |

Form PTO-436L (Rev. 8/92)
 SCANNED 12/16/97
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|---|--------------------------------|---|-------------------------|---|---|---------------------------|--------------------------|---|--|
| SERIAL NUMBER (Series of 1987) 07 614452 | | PATENT DATE | | PATENT NUMBER | | | | | |
| SERIAL NUMBER 07/614,452 | FILING DATE 11/16/90 | CLASS 435 | SUBCLASS 69.1 | GROUP ART UNIT 184 1812 | EXAMINER Al/2 PORTA | | | | |
| APPLICANTS SE-JIN LEE, BALTIMORE, MD. | | | | | | | | | |
| **CONTINUING DATA***** VERIFIED THIS APPLN IS A CIP OF 07/538,372 06/15/90 MPA | | | | | | | | | |
| **FOREIGN/PCT APPLICATIONS***** VERIFIED NONE MPA | | | | | | | | | |
| FOREIGN FILING LICENSE GRANTED 02/06/91 ***** SMALL ENTITY ***** | | | | | | | | | |
| Foreign priority claimed 35 USC 1119 conditions met Verified and Acknowledged | | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no MPA Examiner's Initials | AS FILED → | STATE OR COUNTRY MD | SHEETS DRWGS 19 | TOTAL CLAIMS 21 | INDEP CLAIMS 8 | FILING FEE RECEIVED \$ 535.00 | ATTORNEY'S DOCKET NO. 81756/1220 |
| ADDRESS CUSHMAN, DARBY & CUSHMAN 4615 L STREET, NW, 11TH FL. WASHINGTON, DC 20036-5601 2005-3918 | | NINTH FLOOR 1100 New York Avenue, N.W. | | | | | | | |
| TITLE GDF-1 | | | | | | | | | |
| U.S. DEPT. of COMM. - Pat. & TM Office—PTO-436L (rev. 10-78) | | | | | | | | | |
| PARTS OF APPLICATION FILED SEPARATELY | | | | | | | | | |
| NOTICE OF ALLOWANCE MAILED | | PREPARED FOR ISSUE | | | CLAIMS ALLOWED | | | | |
| | | Assistant Examiner | | Docket Clerk | | Total Claims | | Print Claim | |
| ISSUE FEE | | Primary Examiner | | | DRAWING | | | | |
| Amount Due Date Paid | | | | | Sheets Drwg. | | Figs. Drwg. | | Print Fig. |
| | | ISSUE CLASSIFICATION | | | ISSUE BATCH NUMBER | | | | |
| Label Area | | Class | | Subclass | | | | | |
| WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. | | | | | | | | | |

| SERIAL NUMBER | FILING DATE | CLASS | SUBCLASS | GROUP ART UNIT | EXAMINER |
|---------------|-------------|-------|----------|----------------|----------|
| 07/614,452 | 11/16/90 | 435 | | 1812 | |

APPLICANTS SE-JIN LEE, BALTIMORE, MD.

CONTINUING DATA***

VERIFIED THIS APPLN IS A CIP OF 07/538,372 06/15/90

FOREIGN/PCT APPLICATIONS***

VERIFIED

FOREIGN FILING LICENSE GRANTED 02/06/91

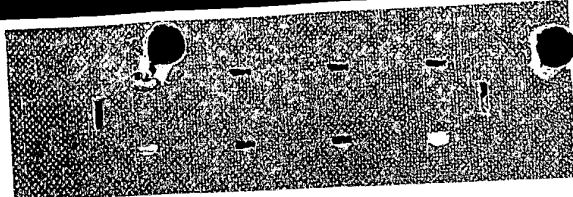
***** SMALL ENTITY *****

| | | | | | | | | | |
|---|---|---|------------------|---------------------|------------------|-----------------|------------------|------------------------|--------------------------|
| Foreign priority claimed 35 USC 119 conditions met | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | AS FILED → | STATE OR COUNTRY | SHEETS DRWGS. | TOTAL CLAIMS | INDEP. CLAIMS | FILING FEE RECEIVED | ATTORNEY'S DOCKET NO. |
| Verified and Acknowledged | Examiner's Initials | | | MD | 19 | 21 | 8 | \$535.00 | 81756/1220 |

ADDRESS CUSHMAN, DARBY & CUSHMAN
NINTH FLOOR
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005-3918

TITLE GDF-1

| | |
|----------|----------------------|
| Subclass | ISSUE CLASSIFICATION |
| Class | |



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|---|-------------|------------------|
| UTILITY SERIAL NUMBER 08/583491 | PATENT DATE | PATENT NUMBER |
|---|-------------|------------------|

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|-----------------------------|-------------------------|--------------|------------------|------------------------|-------------------|
| SERIAL NUMBER 08/583,491 | FILING DATE 01/05/96 | CLASS 435 | SUBCLASS 69.1 | GROUP ART UNIT 1812 | EXAMINER Allen |
|-----------------------------|-------------------------|--------------|------------------|------------------------|-------------------|

APPLICANTS SE-JIN LEE, BALTIMORE, MD.

CONTINUING DATA***
 VERIFIED THIS APPLN IS A CON OF 08/316,456 10/03/94 ABN
 WHICH IS A CON OF 08/090,002 07/12/93 ABN
 WHICH IS A CON OF 07/614,452 11/16/90 ABN
 WHICH IS A CIP OF 07/538,372 06/15/90 ABN

FOREIGN/PCT APPLICATIONS***
 VERIFIED

NOE MPA

FOREIGN FILING LICENSE GRANTED 02/13/96 ***** SMALL ENTITY *****

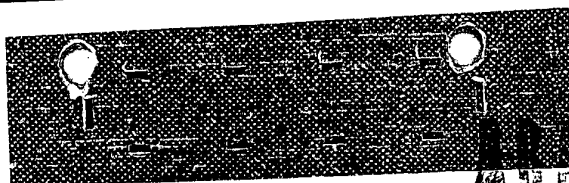
| | | | | | | | | |
|--|---|-------------|---------------------------|------------------------|----------------------|-----------------------|------------------------------------|---|
| Foreign priority claimed 35 USC 119 conditions met | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | AS FILED | STATE OR COUNTRY MD | SHEETS DRWGS. 19 | TOTAL CLAIMS 7 | INDEP. CLAIMS 1 | FILING FEE RECEIVED \$375.00 | ATTORNEY'S DOCKET NO. 220232/1220 |
| Verified and Acknowledged Examiner's Initials | | | | | | | | |
| ADDRESS CUSHMAN DARBY & CUSHMAN 1100 NEW YORK AVENUE NW NINTH FLOOR EAST TOWER WASHINGTON DC 20005-3918 | | | | | | | | |

GDF-1

U.S. DEPT. of COMMERCE • Patent and Trademark Office-PCT-436L (rev. 7-94)

| | | | |
|---|-----------|--------------------------|-------------|
| PARTS OF APPLICATION FILED SEPARATELY | | Applications Examiner | |
| NOTICE OF ALLOWANCE MAILED | | CLAIMS ALLOWED | |
| | | Total Claims | Print Claim |
| Assistant Examiner | | DRAWING | |
| ISSUE FEE | | Sheets Drwg. | Figs. Drwg. |
| Amount Due | Date Paid | Print Fig. | |
| Primary Examiner | | ISSUE BATCH NUMBER | |
| PREPARED FOR ISSUE | | | |
| Label Area | | | |
| WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. | | | |

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| Class | Subclass | ISSUE CLASSIFICATION |
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| UTILITY SERIAL NUMBER 08/090002 | PATENT DATE | PATENT NUMBER |
|------------------------------------|-------------|---------------|

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|-----------------------------|-------------------------|--------------|------------------|------------------------|-------------------|
| SERIAL NUMBER 08/090,002 | FILING DATE 07/12/93 | CLASS 435 | SUBCLASS 69.1 | GROUP ART UNIT 1812 | EXAMINER Allen |
|-----------------------------|-------------------------|--------------|------------------|------------------------|-------------------|

APPLICANTS

SE-JIN LEE, BALTIMORE, MD.

CONTINUING DATA***
 VERIFIED THIS APPLN IS A CON OF 07/614,452 11/16/90 ABN
 WHICH IS A CIP OF 07/538,372 06/15/90 ABN

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FOREIGN/PCT APPLICATIONS***
 VERIFIED

NOTE MMA

FOREIGN FILING LICENSE GRANTED 08/31/93 ***** SMALL ENTITY *****

| | | | | | | | | |
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| Foreign priority claimed 35 USC 119 conditions met | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | AS FILED → | STATE OR COUNTRY MD | SHEETS DRWGS. 19 | TOTAL CLAIMS 12 | INDEP. CLAIMS 3 | FILING FEE RECEIVED \$355.00 | ATTORNEY'S DOCKET NO. 201205 |
|---|--|---------------|------------------------|---------------------|--------------------|--------------------|---------------------------------|---------------------------------|

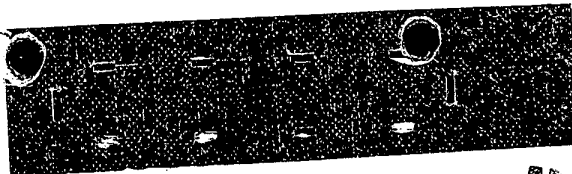
Verified and Acknowledged MMA
 ADDRESS CUSHMAN, DARBY & CUSHMAN
 1100 NEW YORK AVENUE, N.W.
 NINTH FLOOR
 WASHINGTON, DC 20005-3918

TITLE GDF-1

U.S. DEPT. of COMM. Pat. & TM Office — PTO-436L (rev. 10-78)

| | | | |
|---|-----------|-----------------------|-------------|
| PARTS OF APPLICATION FILED SEPARATELY | | Applications Examiner | |
| NOTICE OF ALLOWANCE MAILED | | CLAIMS ALLOWED | |
| | | Total Claims | Print Claim |
| ISSUE FEE | | DRAWING | |
| Amount Due | Date Paid | Sheets Drwg. | Figs. Drwg. |
| | | Print Fig. | |
| Label Area | | ISSUE BATCH NUMBER | |
| Primary Examiner | | PREPARED FOR ISSUE | |
| WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. | | | |

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| 08/316455 | Subclass | ISSUE CLASSIFICATION |
| Class | | |



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| UTILITY SERIAL NUMBER | 08/316455 | PATENT DATE | | PATENT NUMBER | |
|-----------------------|-----------|-------------|--|---------------|--|

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|---------------|------------|-------------|----------|-------|-----|----------|------|----------------|------|----------|-------|
| SERIAL NUMBER | 08/316,456 | FILING DATE | 10/03/94 | CLASS | 435 | SUBCLASS | 69.1 | GROUP ART UNIT | 1812 | EXAMINER | Allen |
|---------------|------------|-------------|----------|-------|-----|----------|------|----------------|------|----------|-------|

APPLICANTS SE-JIN LEE, BALTIMORE, MD.

CONTINUING DATA***
 VERIFIED THIS APPLN IS A CON OF 08/090,002 07/12/93
 WHICH IS A CON OF 07/614,452 11/16/90
 WHICH IS A CIP OF 07/538,372 06/15/90
 ABN

FOREIGN/PCT APPLICATIONS***
 VERIFIED

NONE

FOREIGN FILING LICENSE GRANTED 10/21/94 ***** SMALL ENTITY *****

| | | | | | | | | |
|---|--|----------|------------------|---------------|--------------|---------------|---------------------|-----------------------|
| Foreign priority claimed 35 USC 119 conditions met | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | AS FILED | STATE OR COUNTRY | SHEETS DRWGS. | TOTAL CLAIMS | INDEP. CLAIMS | FILING FEE RECEIVED | ATTORNEY'S DOCKET NO. |
| | yes <input checked="" type="checkbox"/> no <input checked="" type="checkbox"/> | → | MD | 19 | 7 | 1 | \$365.00 | 212425 |

Verified and Acknowledged
 CUSHMAN DARB & CUSHMAN
 NINTH FLOOR EAST TOWER
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 WASHINGTON DC 20005-3918

GDF-1

U.S. DEPT. of COMM., Pat. & TM Office - PTO-436L (rev. 10-78)

| | | | |
|--|-----------|-----------------------|-------------|
| PARTS OF APPLICATION FILED SEPARATELY | | Applications Examiner | |
| NOTICE OF ALLOWANCE MAILED | | CLAIMS ALLOWED | |
| | | Total Claims | Print Claim |
| ISSUE FEE | | DRAWING | |
| Amount Due | Date Paid | Sheets Drwg. | Figs. Drwg. |
| | | Print Fig. | |
| Label Area | | ISSUE BATCH NUMBER | |
| PREPARED FOR ISSUE | | | |
| <p>WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.</p> | | | |